May 1, 1956 R. E. PAIGE 2,743,862

FOLDING DISPLAY BOX

Filed Jan. 22, 1953 3 Sheets-Sheet 1

Fig. 1

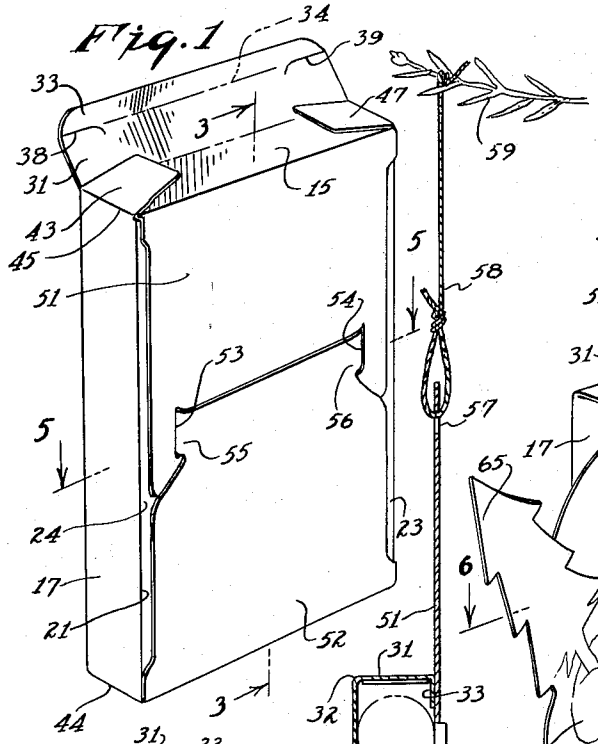


Fig. 2

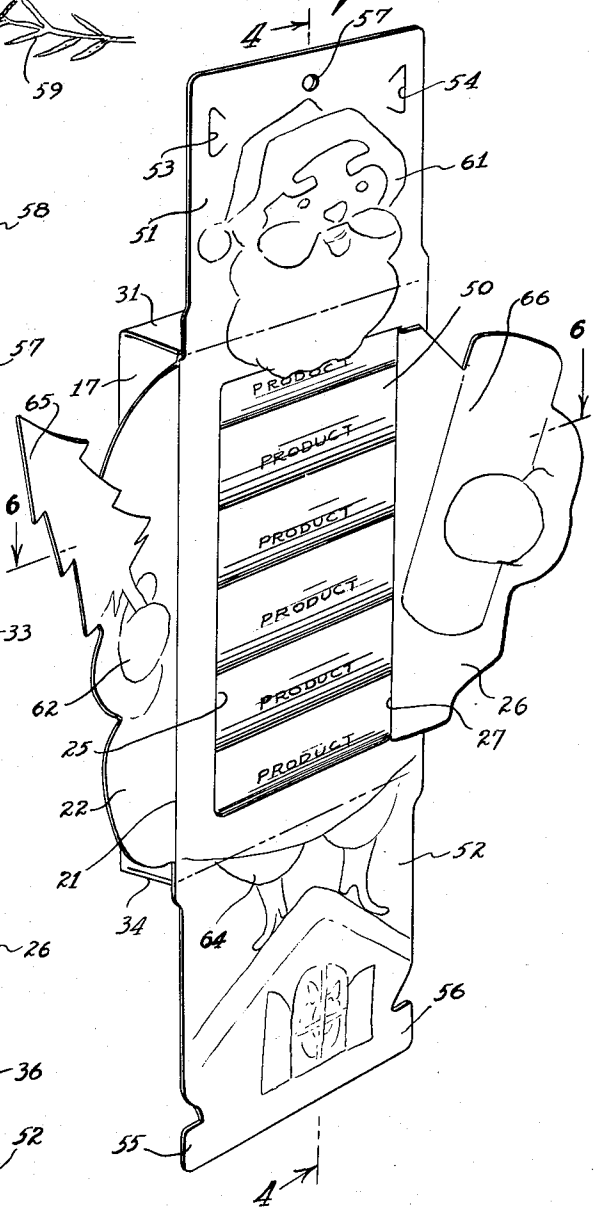


Fig. 3

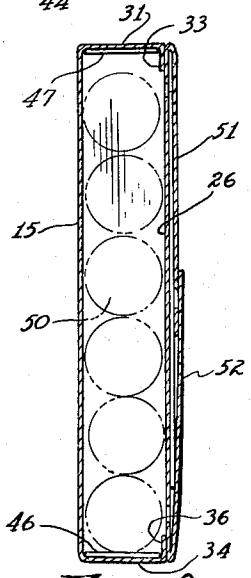


Fig. 4

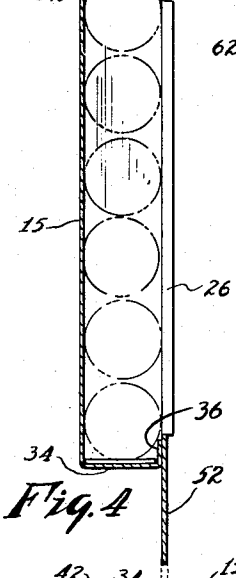


Fig. 5

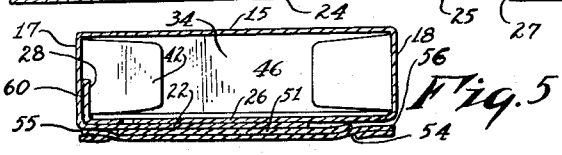
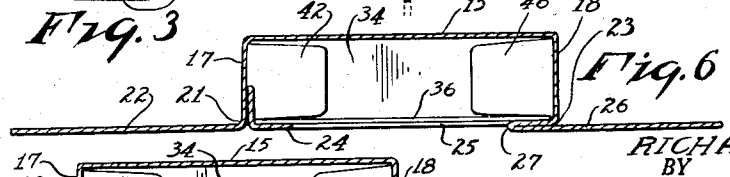


Fig. 6



INVENTOR.
RICHARD E. PAIGE
BY
L. S. Salisbury
ATTORNEY

May 1, 1956 R. E. PAIGE 2,743,862

FOLDING DISPLAY BOX

Filed Jan. 22, 1953 3 Sheets-Sheet 2

Fig. 7

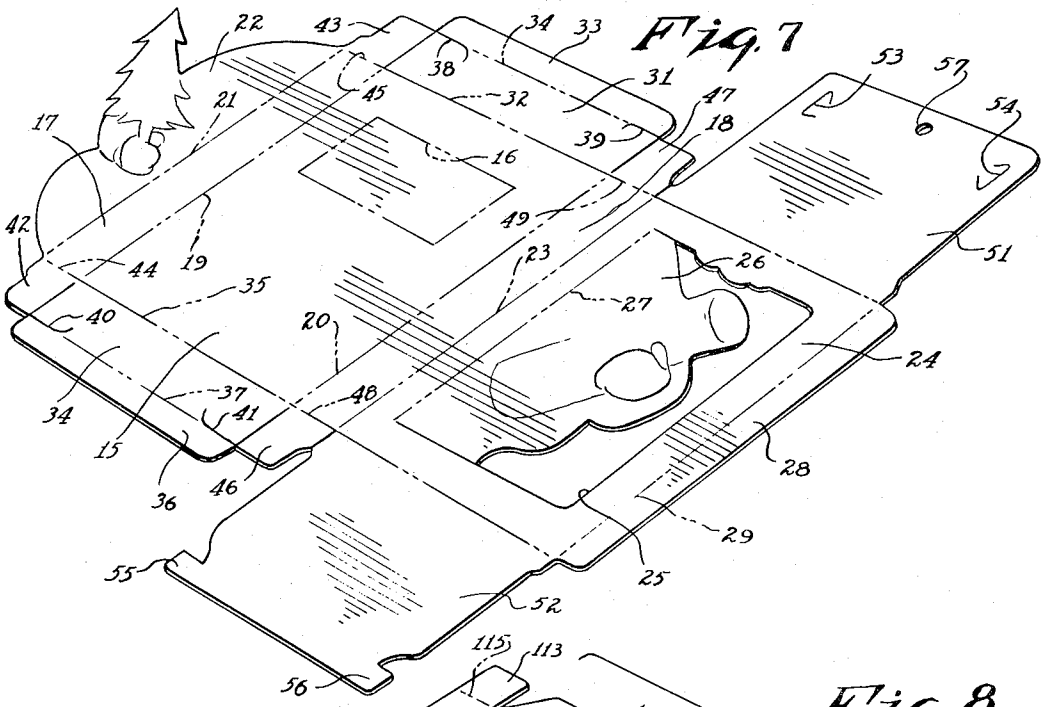
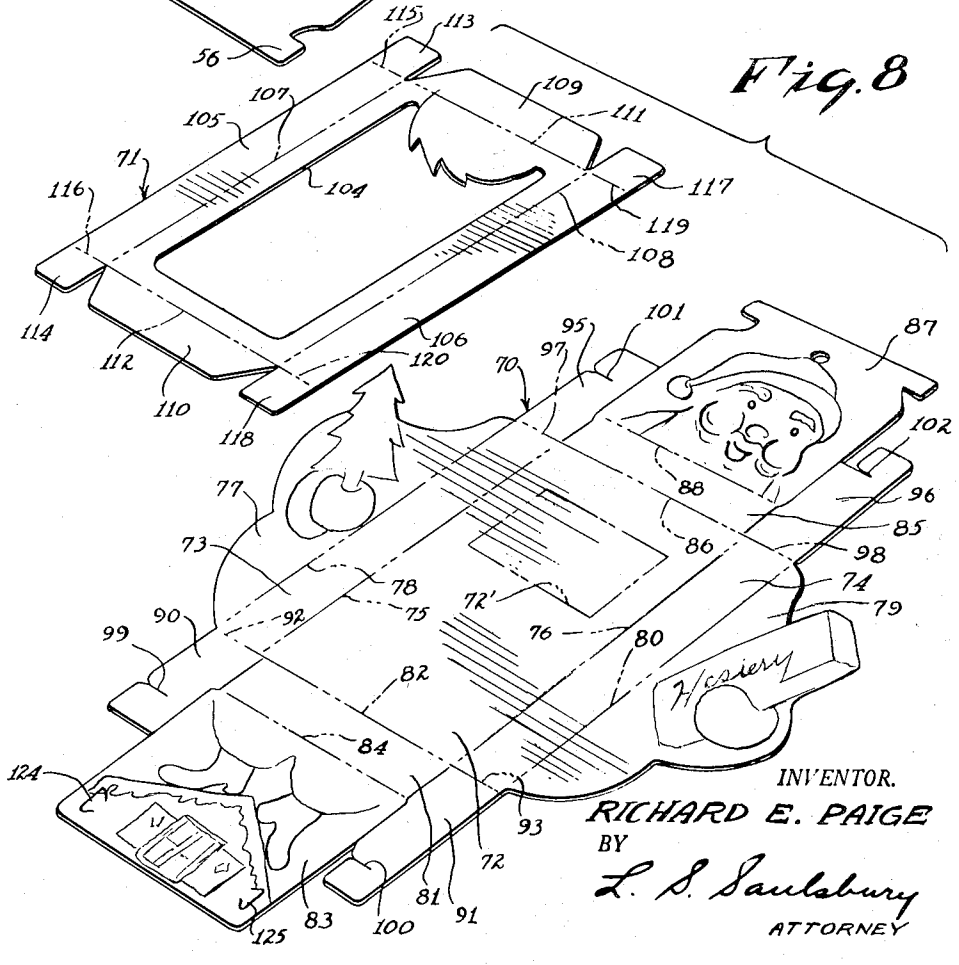


Fig. 8



INVENTOR.
RICHARD E. PAIGE
BY
L. S. Salisbury
ATTORNEY

May 1, 1956 R. E. PAIGE 2,743,862

FOLDING DISPLAY BOX

Filed Jan. 22, 1953 3 Sheets-Sheet 3

Fig. 9

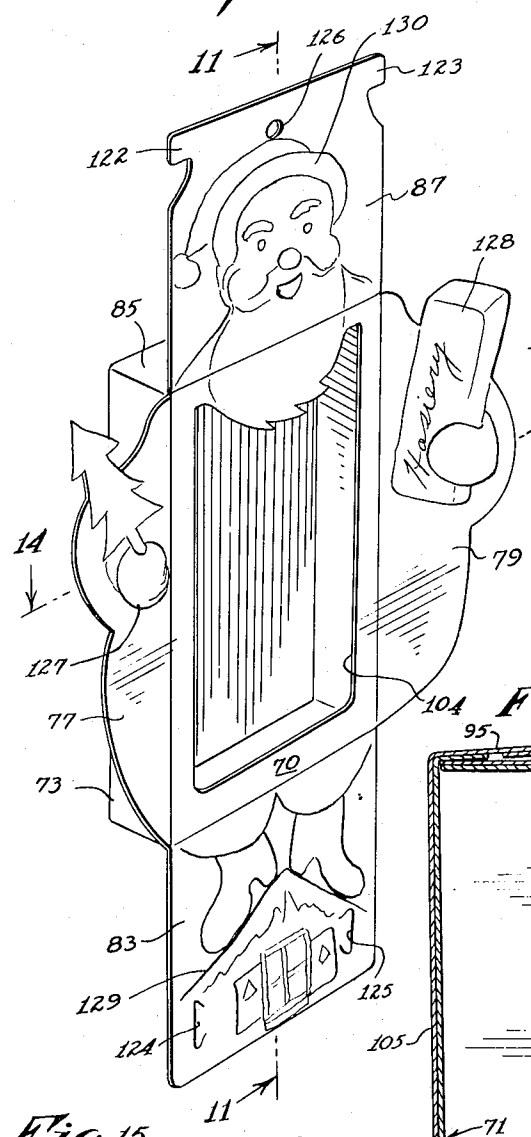


Fig. 10

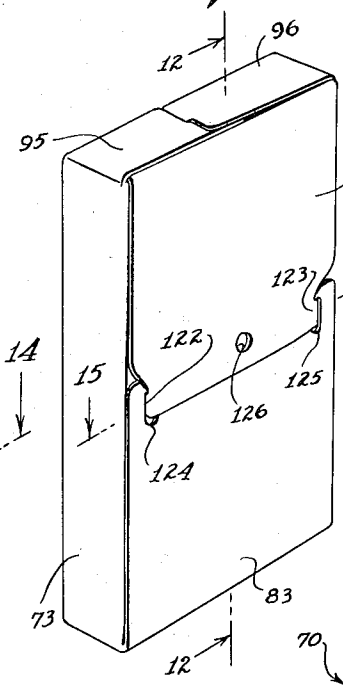


Fig. 11

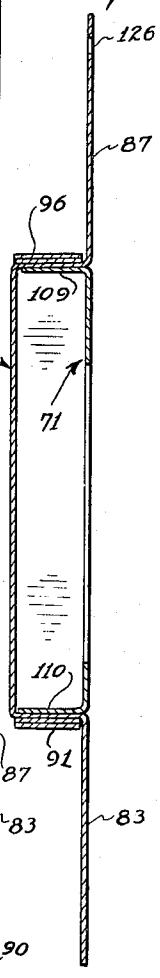


Fig. 13

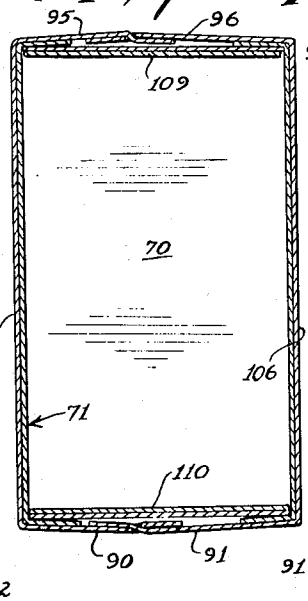


Fig. 12

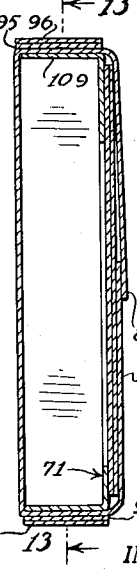


Fig. 15

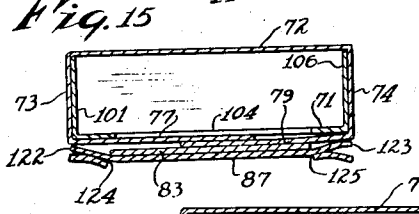
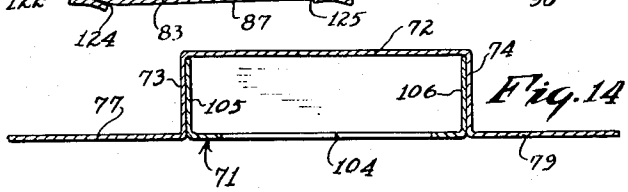


Fig. 14



INVENTOR.
RICHARD E. PAIGE
BY
L. S. Salisbury
ATTORNEY

United States Patent Office 2,743,862 Patented May 1, 1956

2,743,862

FOLDING DISPLAY BOX

Richard E. Paige, New York, N. Y.

Application January 22, 1953, Serial No. 332,640

3 Claims. (Cl. 229—8)

This invention relates to a display folding box.

It is an object of the present invention to provide a display folding box which can be filled with the products to be displayed in the same manner in which any folding box is filled, and wherein over the front part of the box there are provided folded-in display flaps which can be opened up to display the product therewithin, and wherein these flaps provide a display shape or figure when opened which will draw the attention of the customer or viewer to the package and to the product being displayed.

It is another object of the invention to provide a display folding box which is cut from a single piece of paper stock and is adapted for machine gluing and will not require great time on the assembly line for the filling of the box with the product packages.

It is another object of the invention to provide a display folding box having flaps adapted to be opened which can be hung on a Christmas tree with the products therewithin being displayed, the uppermost flap serving as a hanging member and all of the flaps providing representations which when taken together portray the outline of a figure.

Other objects of the invention are to provide a display folding box having a front opening and flaps folded over, such opening adapted to be opened to display a figure and the product, which is of simple construction, inexpensive to manufacture, and adapted to be shipped in a flattened condition.

For other objects and for a better understanding, of the invention, reference may be had to the following detailed description taken in connection with the accompanying drawing, in which:

Figure 1 is a perspective view of the display folding box with the front flaps folded in and secured together, but with the box flaps on one end open preparatory to the filling of the box with the product;

Fig. 2 is a perspective view of the box with the flaps on the front of the same opened to display the product and also to portray a figure or shape;

Fig. 3 is a vertical sectional view of the folding box as viewed on line 3—3 of Fig. 1, but with the top closure flap closed;

Fig. 4 is a vertical sectional view of the box in its opened condition, as viewed on line 4—4 of Fig. 2;

Fig. 5 is a transverse sectional view of the box with the display flaps folded in and taken on line 5—5 of Fig. 1 at the location in which the upper and lower flaps are connected together;

Fig. 6 is a transverse sectional view of the box with the display flaps folded out and as viewed on line 6—6 of Fig. 2;

Fig. 7 is a perspective view of the single cut blank from which the folding display box shown in Figs. 1 to 6 is made;

Fig. 8 is a collective and perspective view of two parts of a folding display box adapted to be constructed according to a second form of the invention;

Fig. 9 is a perspective view of the box with the flaps folded out formed of the two parts shown in Fig. 8;

Fig. 10 is a perspective view of the folding display box with the display flaps folded in and connected together, and with the end flaps of the box also secured together and serving to contain the product in the closed pack at times when the same is being shipped;

Fig. 11 is a vertical sectional view of the box shown in Fig. 9 as viewed on line 11—11 thereof;

Fig. 12 is a vertical sectional view taken on line 12—12 of Fig. 10;

Fig. 13 is a vertical sectional view taken on line 13—13 of Fig. 12, all of the flaps of the box being folded and connected together;

Fig. 14 is a transverse sectional view taken on line 14—14 of Fig. 9 with the display flaps folded outwardly;

Fig. 15 is a transverse sectional view taken on line 15—15 of Fig. 10, all of the flaps of the box being closed.

Referring now particularly to the form of the invention shown in Figs. 1 to 7, 15 represents a back portion of the box which may have a window 16 through which the product can be observed at times when the front of the box is closed by the display flaps. Side portions 17 and 18 are foldably connected respectively along lines 19 and 20 to the back portion 15. To the side portion 17 there is foldably connected along fold line 21 a display flap 22 and to the side portion 18 there is foldably connected along line 23 a front open frame portion 24 having a large window 25 out of which a side display flap 26 can be folded as along one side edge of the opening on fold line 27. A narow glue flap 28 is foldably connected along line 29 to the front frame portion 24. As the box is assembled and folded from one side toward the other, and as the front portion 24 is brought over the back portion 15, the glue flap 28 will be secured to the side portion 17 and in a manner such that the fold line 29 coincides with fold line 21 that connects display flap 22 with the side portion 17.

The back portion 15 has a top closure flap 31 that is foldable along a fold line 32 to form the top end of the box and which in turn has a tuck flap 33 foldable along line 34 to secure the flap 31 in place over the top end of the box. The bottom end of the back portion has a bottom closure flap 34 foldable along a line 35 upon the back portion 15 and which in turn has a tuck flap 36 foldable along the fold line 37. The tuck flaps 33 and 36 are respectively cut from their outer edges as indicated at 38, 39, 40 and 41 to permit the tuck flaps 33 and 36 to more easily be folded and locked into place over side end flaps 42 and 43 respectively connected along fold lines 44 and 45 to the ends of the side portion 17; and side end flaps 46 and 47 respectively connected to the side portion 18 along fold lines 48 and 49.

With the front portion folded over, and the glue flap 28 secured to the side portion 17 and the closure flaps folded in, there is provided a generally rectangular tube. Before closing the top flaps, the box can be filled with the product, such as rolls of candy, and as indicated at 50.

Display flaps 22 and 26 will have been folded in and top hanging display flap 51 and bottom display flap 52 will be folded over the flaps 22 and 26 to hold them in place and to close the display opening 25 in the front portion 24. The hanging flap 51 has cut lines 53 and 54 to receive respectively projections 55 and 56 and which will secure the top and bottom display flaps 51 and 52 together. A hole 57 is provided in the top display flap 51 which will support the box from a tree or other support. A string 58 can be extended through the hole 57 and this string in turn tied to a twig 59.

The tab 28 as the portions are folded over one another

is glued as indicated at 60 in Fig. 5 to the side portion 17. The display flap 51 has a head figure 61 and when taken with figure showings 62 and 63 on the respective side flaps 22 and 26 and figure 64 give the appearance of a Santa Claus standing on a roof top and bearing in one hand the tree figure 65 and a product figure 66. With the box hung by the upper flap 61, it will have the appearance of a Santa Claus figure, and at the same time the product 50 will be displayed through the large opening 25.

Referring now to the form of the invention shown in Figs. 8 to 15, the box is assembled from two parts 70 and 71. The part 70 provides a back portion 72 having side portions 73 and 74 respectively hinged to the back portion of fold line 75 and 76. Extending from the side portion 73 is a display flap 77 foldable along line 78 and connected to the side portion 74 is a side display flap 79 foldable along a fold line 80. Both of these display flaps 77 and 79 can be folded inwardly over front part 71. The back portion 72 may have a display window 72'.

At the bottom end of the back portion 72 there is connected an end portion 81 foldable along a line 82 to provide the bottom of the box and to which a bottom display flap 83 is connected to be folded on fold line 84.

At the top end of the back portion 72 is a top flap 85 which can be folded along fold line 86 and to which there is connected a top display flap 87 foldable along the line 88.

When the end portion 81 is folded upwardly along fold line 82, the same can be retained in the folded position by side end flaps 90 and 91 folded respectively along fold lines 92 and 93 on the respective side portions 73 and 74. On the opposite side of the top closure flap 85 are side end securing flaps 95 and 96 respectively foldable on fold lines 97 and 98 and as the side portions 73 and 74 are folded upwardly and the closure flap 85 folded upwardly along line 86, these side extension flaps 95 and 96 can be hooked together. The flaps 90 and 91 are similarly hooked together about the closure portion 81. These side closure flaps 90 and 91 are cut as indicated at 99 and 100 to engage with each other. The top side flaps 95 and 96 are similarly cut at 101 and 102.

With the back part 70 so folded, it is adapted to receive the product, and at this time the display flaps 77, 79, 83 and 87 are folded outwardly.

The front part 71 has a large display opening 104 and side portions 105 and 106 respectively foldable along lines 107 and 108. End flaps 109 and 110 are respectively foldable on fold lines 111 and 112. On the side portion 105 are flaps 113 and 114 respectively foldable along lines 115 and 116 and inwardly over the flaps 109 and 110.

The side portion 106 has foldable tabs 117 and 118 respectively foldable along lines 119 and 120. The tabs 114 and 118 are wrapped around end portion 81 and tabs 113 and 117 wrap around end portion 85, Fig. 13.

With this front part folded it is fitted into the bottom part 70 which also has been folded, and over the products which may have been disposed in the bottom part.

Thereafter the display flaps 77, 79, 83 and 87 can be folded inwardly. The side display flaps 77 and 79 will be first folded in and thereafter the bottom flap 83 will be folded over the side flaps, and finally the top flap 87 is folded down and its projections 122 and 123 will be inserted in slits 124 and 125 respectively of the bottom part 83. The top display flap 87 has a hole 126 adapted to receive a hook from which the box can be suspended. The display flaps have respectively figure portions 127, 128, 129, 130 which will portray the appearance of the Santa Claus.

It will be apparent that with this form of the invention, it can be assembled without the need of glue. The parts 70 and 71 can be shipped in a flat condition and assembled at the time the box is packed. The display flaps thereafter remain in place until such time as it is desired to display the contents of the box.

It should now be apparent that there has been provided an attractive and simple folding box. Two different forms of construction have been shown and described, and it will be seen that with each of these forms a satisfactory display of the product is effected.

While various changes may be made in the detailed construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claims.

What is claimed is:

1. A foldable display box comprising a back portion, side portions respectively connected to the opposite sides of said back portion, a front portion connected between said side portions, said front portion having a display opening therein and being folded to overlie the back portion, a glue flap on the front portion connected to the opposite side portion, foldable end closure flaps connected to the back and side portions and adapted when opened to provide access to the box, top and bottom display flaps respectively hingedly connected to said front portion and adapted to be brought over the opening in the front portion and secured together, a side display flap connected to the other side portion and foldable inwardly over the front portion and under the top and bottom display flaps, and another side display flap foldable out of the display opening and hinged to one side thereof opposing the first mentioned side display flap and foldable inwardly under said top and bottom display flaps.

2. A foldable display box comprising open front back, side and end closure flap portions, foldable front display flaps respectively foldably connected to the side and end portions and adapted to overlie the open front portion in their closed positions, the opposing display flaps on the side portions being cut to provide parts of a figure outline, and the opposing display flaps on the end portions respectively having other parts of the figure outlined thereon, which taken together with the cut display flaps and when all of the flaps are extended laterally outwardly to display positions, portray an outline of a complete figure, said end front display flaps adapted to be folded over the front of the box and to overlie one another, said cut side display flaps adapted to be folded inwardly over the front of the box and to underlie the end display flaps, and means for locking the end front display flaps together when folded over the front of the box.

3. A folding box formed of sheet stock made into a generally rectangular tube and secured by joined glue flaps, said tube having top and bottom end closure flaps to close the respective open ends thereof and when open permit access to the box, display flaps respectively hingedly connected to the top and bottom ends of the tube, another display flap hingedly connected to one of the glue flaps and lying at the side edge of the tube, another display flap struck out of the tube and foldable over the opposite side edge of the tube, said display flaps when extending outwardly completing a fanciful figure, of which the tube serves as the body, the top flap serves as the head, the bottom flap serves as the legs and feet and the side flaps serves as the sides and arms, all of said display flaps being foldable across the tube body for shipping and two of said display flaps carrying a locking means to maintain all of said display flaps in their closed positions.

References Cited in the file of this patent

UNITED STATES PATENTS

556,999	Mealy	Mar. 24, 1896
964,556	Rogers	July 19, 1910
1,251,008	Furste	Dec. 25, 1917
1,684,244	Richardson	Sept. 11, 1928
1,916,045	Freymann	June 27, 1933
1,956,642	Einson	May 1, 1934
2,019,250	Collins	Oct. 29, 1935
2,234,402	Frankenstein	Mar. 11, 1941
2,396,010	Isenberg	Mar. 5, 1946